

Computer Hardware and Software Minimum Specifications:

The Contractor shall utilize the minimum technical specifications below in conjunction with the project specific special provisions and submit the vendor supplied information required by the special provisions to the Project Engineer. Actual types and number of required devices are listed in the project specific special provisions.

A) Desktop Computer – Minimum Specification:**Only Dell (preferred) or HP (acceptable) brands will be accepted**

Recommended Model series Dell OptiPlex or HP Model Series Z 200 Series

Processor – Intel® Core i5 Processor (3.20 GHz, 1600 MHz FSB 6MB Cache)

Memory – 8 GB DDR3 1600MHz

Monitor – Dual (2) 24.0 inch LCD color monitor

Graphics – Intel Integrated Graphics with support for dual monitors

Hard Drive – 500 GB 7200 RPM SATA hard drive (Western Digital, IBM or Seagate) Optical

Drive – CD-RW/DVD-RW

Multimedia Package – Integrated sound

Case – Small Form or Mid Tower, capable of vertical or horizontal orientation

Integrated Network Adapter - Intel® 10/100/1000 twisted pair Ethernet

Keyboard – 104+ Keyboard

External Speakers

Uninterrupted power supply – APC Back-UPS 500VA

Mouse – Optical 2-button mouse with scroll wheel

Internal or external Multi-Card Reader – Must include SD

Operating System – Windows 7 Professional 64-bit SP1

Additional Software (Latest Releases, including subscription services for the life of the Contract)

- Application Software – MS Office 2010 Professional Edition (or newer)
- Symantec Endpoint Protection
- Blue-Beam **Revu eXtreme** (*Must be original purchased Licensed Media CD/DVD or authentic digital down load certificate*).
 - Adobe Acrobat Professional may be specified as an alternative to Blue-beam Revu eXtreme, upon request by administrating District (*Must be original purchased Licensed Media CD/DVD or authentic digital down load certificate*)
- Resource or Driver CD/DVD(s) – CD/DVD(s) with all drivers and resource information necessary to install all software and hardware.

Note A1: All hardware components must be installed before delivery.

B) Laptop Computer – Minimum Specification:

Only Dell (preferred) or HP (acceptable) brands will be accepted

Processor – Intel® Core i5 Processor (3.20 GHz, 1600 MHz FSB, 6M Cache)

Intel V Pro Technology

Memory – 8 GB

Screen – 14.0 inch LED anti-glare

Graphics – Intel Graphics Media Accelerator 3000 or equivalent

Hard Drive – 500 GB 7200 rpm hard drive (Western Digital, IBM or Seagate)

USB ports – Four (4)

Optical Drive – CD-RW/DVD-RW Combo

Multimedia Package – Integrated microphone and speakers

Integrated Network Adapter – Intel® 10/100/1000 twisted pair Ethernet

Wireless Network Adapter – Intel® Centrino a/b/g/n/ac

Card Reader – multi-card reader including SD

Battery – Two (2) 9-cell batteries: 1-primary and 1-spare

Power adapters – One (1) AC wall adapter and One (1) 12 Volt DC Auto adapter

Mouse – Cordless laser 2-button mouse with scroll wheel

Carrying Case – Carrying case sized to carry laptop and accessories.

Operating System – Windows 7 Professional 64-Bit Service Pack 1

Additional Software (Latest Releases, including subscription services for the life of the Contract–

- Application Software – MS Office 2010 Professional Edition (or newer)
- Symantec Endpoint Protection
- Blue-Beam **Revu eXtreme** (*Must be original purchased Licensed Media CD/DVD or authentic digital down load certificate*)
 - Adobe Acrobat Professional may be specified as an alternative to Blue-beam Revu, upon request by administrating District (*Must be original purchased Licensed Media CD/DVD or authentic digital down load certificate*)
- Resource or Driver CD/DVD(s) – CD/DVD(s) with all drivers and resource information necessary to install all software and hardware.

Note B1: All hardware components must be installed before delivery.

C) Multifunction Laser Printer/Copier/Scanner/Fax – Minimum Specification:

The following list of Multifunction Laser Printer/Copier/Scanner/Fax includes the only units that will be **approved** for use in the Field Offices. If you currently have a construction project that is scheduled to start please ensure that the contractor only supplies one of these printers. No other printers will be approved or supported for new construction projects.

SAVIN MULTIFUNCTION printer/copy/fax/scanner models

- For Small and Medium Field offices
 - SAVIN B&W Multifunction 9.... series
 - SAVIN B&W Multifunction MP.... Series

Note: All multifunction units for small and medium field offices must meet the following special requirements and be supplied with the following peripherals:

- Print speed – 20 ppm
 - Resolution – 1,200 x 1,200 dpi
 - Paper size – Up to 216 mm x 355 mm (8.5 in x 14 in)
 - RAM – 16 MB
 - Print Drivers – Must support HP PCL6 and HP PCL5e
 - Printer cable – 1.8 m (6 ft)
 - All printers/multifunction devices **shall be Network ready** (MIN 10/100 RJ45)
 - Network/OS – Windows XP/Windows 7/Server 2008R2
 - Network Protocols - TCP/IP (IPv4, IPv6)
 - All printers/multifunction devices shall have a built in display window.
 - The only supported scanning method is via a Savin Multifunction
 - Wireless/ePrinting are **not** allowed **nor** supported.
- For Large and Extra Large Filed offices:
 - SAVIN Color Multifunction MP.... series

Note: All multifunction units for large and extra-large field offices must meet the following special requirements and be supplied with the following peripherals:

- Print speed – 20 ppm
- Resolution – 1,200 x 1,200 dpi
- Paper size – Up to (11 in x 17 in)
- RAM – 16 MB
- Print Drivers – Must support HP PCL6 and HP PCL5e
- Printer cable – 1.8 m (6 ft)
- All printers/multifunction devices **shall be Network ready** (MIN 10/100 RJ45)
- Network/OS – Windows XP/Windows 7/Server 2008R2
- Network Protocols - TCP/IP (IPv4, IPv6)
- All printers/multifunction devices shall have a built in display window.
- The only supported scanning method is via a Savin Multifunction
- Wireless/ePrinting are **not** allowed **nor** supported.

D) Digital Camera – Minimum Specification:

Optical – 16 mega pixel, with 12x optical zoom

Memory – 16 GB

Features – Date/Time stamp feature

Connectivity – USB cable or memory card reader

Software – Must be compatible with Windows 7 Professional 64-bit

Power – Rechargeable battery and charger

E) Communications:

The Contractor shall provide rugged cell phones with unlimited nation-wide calling plan that operates on the Verizon, or ATT network. The phones should be capable of sending and receiving text messaging and shall also include voice mail. Additional features beyond those described shall be at no additional cost to the Department. Accessories for each cell phone shall include holster, AC wall charger, DC auto charger, and extended life battery.

F) Smart Board or Video Projector (only applicable for Extra –large Office): Contact CTDOT Office of Construction (1-860-594-2658) for the current approved smart board or Video Projector specifications.